

CLAIMS:

Sub D1

□

a rotor rotatably supported within the enclosure, with the rotor having box positions for holding a box;

[illegible]

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Sub B1

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5. The cleaning system of claim 1 wherein the manifold has two angle nozzles separated by at least two straight spray nozzles.

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Sub B2 6. A method for cleaning five sided boxes of the type used for carrying and storing semiconductor wafers, comprising the steps of:

10 placing the boxes in or on a rotor with the open side of the box facing radially outwardly and away from the center of the rotor;

spinning the rotor holding the boxes;

spraying a first spray of a cleaning liquid towards the center or spin axis of the rotor; and

15 spraying a second spray of the cleaning liquid at an angle relative to the first spray.

Sub a 7. The method of claim 6 where the first spray is sprayed in a pattern having a centerline or center axis which is 20 generally horizontal, and where the second spray is also sprayed in a pattern having a centerline which is generally horizontal.

8. The method of claim 6 where the first spray is oriented horizontally and the second spray is oriented upwardly or downwardly at an angle relative to the first spray.

C 5 3. The method of claim 2 where the center axis of the first spray is aimed at the center of the rotor, and the centerline of the second spray is aimed at an angle to the first spray, so that the second spray sprays a pattern of liquid in a direction towards or opposite to the spin direction of the rotor.

add A17

add B5